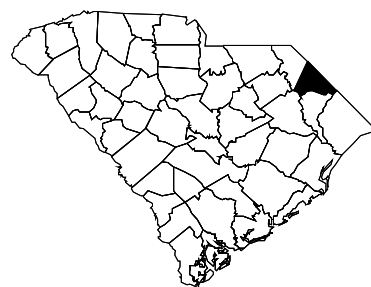


IMPACT OF CHRONIC CONDITIONS DILLON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Dillon county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Dillon county's population is similar to the state population. The majority (37%) of the population are between the ages of 18-44. Dillon county has more people under the age of 18 (27%) than the state (24%), and there are more females (53%) than males (47%). Dillon county has a higher minority population (49%) than the state (31%). When adults in DHEC's Region 4 which includes Dillon County, were asked about their general health status, 79.0% reported having excellent, very good, or good health in 2005 (SC was 82%).

	DILLON COUNTY	STATE
Population size	30,974	4,255,083
Age distribution (%)		
<18	27	24
18-44	37	38
45-64	25	25
65-84	10	11
85+	1	2
Race (%)		
White	51	69
Black & Other	49	31
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Dillon County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	22
Sedentary lifestyle	29	26
Overweight	66	65
High Cholesterol	30	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.5	.	.	.	.	31.7
Number of hospitalizations	67	52	15	26	41	5,032
Crude rate of hospitalizations (per 100,000)	216	344	95	179	249	118
Median age of hospitalized patients	57	57	57	47	67	57
Total cost of hospitalization (\$)	1,139,900	923,000	216,900	576,600	563,300	109,400,500
Average length of hospital stay (days)	4	4	2	4	3	5
Number of ED visits	130	100	29	48	82	7,466
Crude rate of ED visits (per 100,000)	420	662	183	331	498	175
Median age of ED patients	47	47	52	52	47	52
Total cost of ED visits (\$)	109,600	79,300	30,300	30,700	78,900	9,929,000
Number of deaths**	4	2	2	1	3	423
Age-Adjusted Death rate (per 100,000)**	15	20	12	11	16	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	684	273	410	295	389	60,901
Crude rate of hospitalizations (per 100,000)	2,208	1,806	2,585	2,034	2,362	1,431
Median age of hospitalized patients	67	62	67	62	67	67
Total cost of hospitalization (\$)	17,617,200	6,458,700	11,158,500	8,260,400	9,356,800	2,286,836,400
Average length of hospital stay (days)	4	4	4	4	5	5
Number of ED visits	210	98	112	88	122	12,989
Crude rate of ED visits (per 100,000)	678	648	706	607	741	305
Median age of ED patients	62	62	62	57	67	62
Total cost of ED visits (\$)	526,200	221,700	304,500	230,000	296,200	42,115,900
Number of deaths**	86	37	48	43	43	9,328
Age-Adjusted Death rate (per 100,000)**	289	329	268	367	231	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	137	58	79	58	79	13,925
Crude rate of hospitalizations (per 100,000)	442	384	498	400	480	327
Median age of hospitalized patients	67	67	67	62	67	72
Total cost of hospitalization (\$)	2,679,100	1,060,900	1,618,200	910,400	1,768,700	384,441,600
Average length of hospital stay (days)	5	6	4	4	6	6
Number of ED visits	31	16	15	12	19	2,515
Crude rate of ED visits (per 100,000)	100	106	95	83	115	59
Median age of ED patients	72	70	72	65	77	67
Total cost of ED visits (\$)	88,500	53,200	35,300	35,200	53,300	9,113,000
Number of deaths**	18	10	8	4	14	2,440
Age-Adjusted Death rate (per 100,000)**	67	105	48	40	77	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	253	119	134	108	145	15,753
Crude rate of hospitalizations (per 100,000)	817	787	845	745	880	370
Median age of hospitalized patients	57	47	57	50	57	62
Total cost of hospitalization (\$)	2,653,600	1,106,200	1,547,400	1,034,000	1,619,600	268,425,300
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ED visits	614	406	206	261	353	36,543
Crude rate of ED visits (per 100,000)	1,982	2,686	1,299	1,800	2,143	859
Median age of ED patients	32	27	42	27	37	37
Total cost of ED visits (\$)	526,100	318,700	207,400	211,500	314,600	40,613,700
Number of deaths**	12	1	11	6	6	1,968
Age-Adjusted Death rate (per 100,000)**	39	7	55	51	32	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	129	83	46	67	62	9,027
Crude rate of hospitalizations (per 100,000)	416	549	290	462	376	212
Median age of hospitalized patients	52	47	55	52	47	52
Total cost of hospitalization (\$)	2,414,100	1,222,300	1,191,800	1,018,400	1,395,700	179,747,700
Average length of hospital stay (days)	5	4	7	5	6	6
Number of ED visits	207	143	64	95	112	9,603
Crude rate of ED visits (per 100,000)	668	946	404	655	680	226
Median age of ED patients	57	57	52	57	60	52
Total cost of ED visits (\$)	176,100	115,500	60,600	84,600	91,500	13,447,300
Number of deaths**	7	1	6	3	4	1,183
Age-Adjusted Death rate (per 100,000)**	25	10	36	20	22	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	123	68	55	55	68	16,389
Crude rate of hospitalizations (per 100,000)	397	450	347	379	413	385
Median age of hospitalized patients	67	60	72	67	65	62
Total cost of hospitalization (\$)	3,507,400	1,953,000	1,554,400	2,116,600	1,390,800	664,309,500
Average length of hospital stay (days)	6	6	7	8	5	8
Number of deaths**	51	21	30	25	26	8,617
Age-Adjusted Death rate (per 100,000)**	172	187	163	200	143	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	20	12	8	9	11	2,070
Crude rate of hospitalizations (per 100,000)	65	79	50	62	67	49
Median age of hospitalized patients	67	67	70	67	65	67
Total cost of hospitalization (\$)	717,100	409,500	307,600	493,600	223,500	101,377,700
Average length of hospital stay (days)	8	8	9	12	5	10
Number of deaths**	10	6	4	4	6	812
Age-Adjusted Death rate (per 100,000)**	34	50	21	29	33	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	7	4	-	11	1,228
Crude rate of hospitalizations (per 100,000)	67	87	47	-	78	56
Median age of hospitalized patients	62	62	72	-	62	62
Total cost of hospitalization (\$)	147,500	91,100	56,400	-	147,500	26,163,000
Average length of hospital stay (days)	2	2	3	-	2	3
Number of deaths**	6	2	4	-	6	651
Age-Adjusted Death rate (per 100,000)**	33	27	36	-	33	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	5	2	-	7	192
Crude rate of hospitalizations (per 100,000)	42	62	24	-	42	9
Median age of hospitalized patients	32	32	52	-	32	47
Total cost of hospitalization (\$)	97,400	72,900	24,500	-	97,400	4,668,500
Average length of hospital stay (days)	3	4	2	-	3	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	7	13	-	-	7	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	6	3	6	3	2,181
Crude rate of hospitalizations (per 100,000)	29	40	19	41	18	51
Median age of hospitalized patients	67	60	67	65	67	67
Total cost of hospitalization (\$)	408,700	334,400	74,300	308,400	100,300	92,775,300
Average length of hospital stay (days)	8	9	6	8	7	9
Number of deaths**	9	1	8	5	4	2,703
Age-Adjusted Death rate (per 100,000)**	30	8	45	38	22	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	2	4	6	-	1,209
Crude rate of hospitalizations (per 100,000)	41	28	54	62	-	58
Median age of hospitalized patients	67	57	77	67	-	62
Total cost of hospitalization (\$)	98,400	39,800	58,600	98,400	-	30,356,600
Average length of hospital stay (days)	3	3	3	3	-	4
Number of deaths**	-	-	-	-	-	460
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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